

Table 3: Mean (\pm SEM) gross histological score (0-10) of rabbits in control and treatment groups in acetic acid (2%) - induced colitis

| Groups | No. of Rabbits | Mean gross score \pm (SEM) |
|--------------|----------------|------------------------------|
| Control | 7 | 8.86 \pm 0.51 |
| Prednisolone | 6 | 7 \pm 2.45 * |
| Zinc Sulfate | 7 | 6.25 \pm 1.23 * |

*Significant reduction ($0.01 < p < 0.05$) in comparison with the control

Table 4: Mean plasma zinc and copper concentrations (ppm) of control and zinc sulfate groups in Acetic acid (5 %) - Ethanol (30%)-induced colitis

| Group | Plasma zinc concentration | | Plasma copper concentration | |
|--------------|---------------------------|-----------------------|-----------------------------|-----------------------|
| | <i>Pre-induction</i> | <i>Post-induction</i> | <i>Pre-induction</i> | <i>Post-induction</i> |
| Control | 1.35 \pm 0.18 | 0.31** \pm 0.10 | 0.43 \pm 0.08 | 0.68* \pm 0.11 |
| Zinc sulfate | 0.93 \pm 0.11 | 0.50* \pm 0.10 | 0.34 \pm 0.09 | 0.50 \pm 0.15 |

** Highly significant reduction ($p < 0.01$) in comparison with its pre induction level

* Significant difference ($p < 0.05$) in comparison with its pre induction level

Table 5: Mean (\pm SEM) plasma zinc and copper concentrations (ppm) of control and zinc sulfate groups in acetic acid (2 %)-induced colitis

| Group | Plasma zinc concentration | | Plasma copper concentration | |
|--------------|---------------------------|-------------------|-----------------------------|-------------------|
| | Pre-induction | Post-induction | Pre-induction | Post-induction |
| Control | 1.66 \pm 0.10 | 1.32 \pm 0.12 * | 0.71 \pm 0.10 | 0.76 \pm 0.08 |
| Zinc sulfate | 1.39 \pm 0.11 | 1.56 \pm 0.15 | 0.61 \pm 0.11 | 0.81 \pm 0.17 * |

* Significant difference ($p < 0.05$) in comparison with the pre-induction levels